



IFW

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Shinobu MUNEKATA et al

Serial No.: 10/593093

Filed: September 15, 2006

For: SEALING DEVICE FOR
RECIPROCATING SHAFT

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

As a means of complying with the duty of disclosure under 37 CFR §1.56, and in accordance with 37 CFR §§1.97 and 1.98, Applicant(s), through the undersigned attorney, submits this Information Disclosure Statement. The patents, publications or other information submitted herewith are listed on the attached Form PTO-1449 and copies are attached excluding U.S. patents and publications.

The documents listed on the attached Form PTO-1449 were cited in the International Search Report. A copy of the ISR is attached.

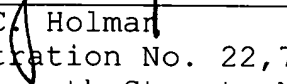
Document AA is being submitted as the English counterpart of Document AB wherein no English translation is readily available.

In accordance with 37 CFR \$1.97(b)(1) or (2), this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified application, or within three months of the date of entry into the national stage of the above-identified application as set forth in 37 CFR \$1.491. Accordingly, no fee is thought required. Should any additional fee be required by the filing of this statement, please charge such fee to Deposit Account No. 06-1358.

Respectfully submitted,

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Atty. Dkt. No.: P71445US0
Date: December 11, 2006



INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/004748

A. CLASSIFICATION OF SUBJECT MATTER
Int.Cl.⁷ F16J15/32, F16F9/36

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl.⁷ F16J15/32, F16F9/36

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1922-1996	Jitsuyo Shinan Toroku Koho	1996-2005
Kokai Jitsuyo Shinan Koho	1971-2005	Toroku Jitsuyo Shinan Koho	1994-2005

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 2003-130230 A (Kayaba Industry Co., Ltd.), 08 May, 2003 (08.05.03), Figs. 3, 4 (Family: none)	1,2
Y	JP 6-17939 A (Karufuroidenberugu), 25 January, 1994 (25.01.94), Fig. 4 & US 5346230 A Fig. 4 & EP 563439 A1 & DE 59204935 C	1-3
Y	JP 2003-294154 A (NOK Corp.), 15 October, 2003 (15.10.03), Par. Nos. [0013] to [0024]; Fig. 1 (Family: none)	3

☒ Further documents are listed in the continuation of Box C.☐ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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"&" document member of the same patent family

Date of the actual completion of the international search
07 June, 2005 (07.06.05)Date of mailing of the international search report
21 June, 2005 (21.06.05)Name and mailing address of the ISA/
Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/004748

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 2004-116549 A (Kayaba Industry Co., Ltd.), 15 April, 2004 (15.04.04), Par. No. [0001]; Fig. 1 (Family: none)	1,2
Y	JP 2003-106462 A (NOK Corp.), 09 April, 2003 (09.04.03), Par. No. [0007]; Fig. 1 (Family: none)	1,3
P,X	JP 2005-23966 A (Tokico Ltd.), 27 January, 2005 (27.01.05), Figs. 1, 2 (Family: none)	1

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LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.: P71445US0 GROUP ART UNIT: _____
 SERIAL NO.: 10/593093 FILING DATE: September 15, 2006
 APPLICANT(S): MUNEKATA et al TODAY'S DATE: December 11, 2006

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE If Appropriate)
AA	5346230	09/13/94	Schumacher et al	277	152	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES) (NO)
AB	0563439A1	10/06/93	Europe			XX
AC	06-017939	01/25/94	Japan			Abstract
AD	10-082467	03/31/98	Japan			Abstract
AE	2000-046092	02/15/00	Japan			Abstract
AF	2003-106462	04/09/03	Japan			Abstract
AG	2003-130230	05/08/03	Japan			Abstract
AH	2003-294154	10/15/03	Japan			Abstract
AI	2004-116549	04/15/04	Japan			Abstract
AJ	2005-023966	01/27/05	Japan			Abstract

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AK _____
 AL _____
 AM _____

EXAMINER

DATE CONSIDERED

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s)